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DATE MAILED: 05/28/2010

NOTICE OF ALLOWANCE AND FEE(S) DUE

23373 7590 08/28/2010 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800

WASHINGTON DC 20037

EXAMINER						
BARON, HENRY						
ART UNIT	PAPER NUMBER					
2462	•					

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552,450	10/07/2005	Satoru Ejiri	Q90623	2310

TITLE OF INVENTION: RADIO NETWORK CONTROL DEVICE AND OOS CONTROL METHOD USED FOR THE SAME

 APPLN TYPE
 SMALL ENTITY
 ISSUE FEE DUE
 PUBLICATION FEE DUE
 PREV. PAID ISSUE FEE
 TOTAL FEES) DUE
 DATE DUE

 nonprovisional
 NO
 \$1510
 \$300
 \$0
 \$1810
 08/30/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless corrects maintenance fee notifica	ed below or directed oth	ng the Patent, advance of nerwise in Block 1, by (rders and notification a a) specifying a new co	of ma orrespo	intenance fees wondence address;	ill be and/o	mailed to the current (b) indicating a sepa	correspondence address as rate "FEE ADDRESS" for
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WASHINGTON	I, DC 20037							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/552,450	10/07/2005		Satoru Ejiri		Q90623		Q90623	2310
TITLE OF INVENTION	: RADIO NETWORK C	CONTROL DEVICE AN	D QOS CONTROL ME	OHTE	D USED FOR TI	IE SA	ME	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE I	PREV. PAID ISSUI	S FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	08/30/2010
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
BARON,		2462	370-231000					
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3. ASSIGNEE NAME A								
PLEASE NOTE: Uni recordation as set fort	less an assignee is ident h in 37 CFR 3.11. Com	ified below, no assignee eletion of this form is NC	data will appear on th	ne pate	ent. If an assign signment.	ee is io	lentified below, the de	cument has been filed for
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4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (first reapply ar	y prev	lously paid issue fee	shown above)
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f. Channa in Partie Sta		4 -1>	overpayment, to D)eposit	t Account Numbe	er	(enclose a	extra copy of this form).
 Change in Entity Sta Applicant claim 	is SMALL ENTITY state		☐ b. Applicant is no	longe	r claiming SMAI	LEN	ITTY status. Sec 37 Cl	R 1.27(g)(2).
NOTE: The Issue Fee an	d Publication Fee (if req	uired) will not be accepte						e assignee or other party in
interest as snown by the	records of the United Sta	nes ratent and Trademan	Conice.					
Authorized Signature					Date			
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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23373	7590	05/28/2010		EXAMINER				
SUGHRUE MION, PLLC				BARON, HENRY				
2100 PENNSYLVANIA AVENUE, N.W.				ART UNIT	PAPER NUMBER			
SUITE 800 WASHINGTON, DC 20037			2462 DATE MAILED: 05/28/2010					

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 473 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 473 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/552,450 EJIRI, SATORU Notice of Allowability Examiner Art Unit HENRY BARON 2462 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 1/29/2010. The allowed claim(s) is/are 1,4,5 and 7-15. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) Some* c) □ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). Examiner's Amendment/Comment Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit 8. T Examiner's Statement of Reasons for Allowance of Biological Material □ Other . /H. B./ /Seema S. Rao/ Examiner, Art Unit 2462 Supervisory Patent Examiner, Art Unit 2462

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

Attachment(s)

Detailed Action

RADIO NETWORK CONTROL DEVICE AND QOS CONTROL METHOD USED FOR THE SAME

Response to Arguments/Remarks

- Claims 1, 4 5, and 7 15 are pending in the application. Claims 1, 4, 5, 7, 10, and 12 has been amended
- Applicant's arguments of 1/29/2010 have been considered and are persuasive.

Examiner Amendment

- With regards to the claim 1, an examiner's amendment to the record appears below. Should the
 changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37
 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the
 payment of the issue fee.
- Authorization for this examiner's amendment was given in a by email with Applicant's attorney
 Andrew Taska (54,666) on May 12th, 2010.
- Please amend claim 1 as annotated below;
- (currently amended): A radio network controller for executing Quality of Service (QoS) control, the radio network controller including a plurality of protocol layers, which comprises a plurality of blocks each formed of protocol layers obtained by segmenting said plurality of protocol layers.

wherein said plurality of blocks comprises at least two blocks of a first block and a second block, and wherein the first block and second block are connected by a User Datagram Protocol (UDP)/ Internet Protocol version 6 (IPv6) layer arranged there between,

wherein said plurality of protocol layers are segmented to execute Quality of Service (QoS) control by buffering at least one of RLC layer segmentation and concatenation data, and wherein said first block and second block include at least a Packet Data Convergence Protocol (PDCP) layer, an RLC (Radio Link Control) layer which executes U (User)-plane data segmentation and concatenation, a MAC (Medium Access Control) layer and a FP (Frame Protocol) layer.

Allowance

Examiner finds that claim 1 amended and claims 4 – 5, and 7 – 15 are allowable and that the
application is in condition for allowance.

Conclusion

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to HENRY BARON whose telephone number is (571)270-1748. The examiner can normally be reached on 7:30 AM to 5:00 PM E.S.T. Monday to Friday.
- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,
 Seema Rao can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
- 8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/H. B./ Examiner, Art Unit 2462 HB